

Docket No.: 71590-086

PATENT

JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Initial Application of : Customer Number: 20277  
Ashok B. NAYAK, et al. : Confirmation Number: 9838  
Application No.: 10/765,184 : Group Art Unit: 1734  
Filed: January 28, 2004 : Examiner: Not yet assigned  
For: A HEAD ACTUATOR ASSEMBLY FOR A TAPE DRIVE

**REQUEST FOR CORRECTED FILING RECEIPT**

Mail Stop OIPE - Filing Receipt Corrections  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

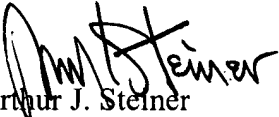
Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application. It is noted that the domestic priority data is incorrect. Attached is a copy of the first page of the specification, which evidences the correct domestic priority information.

The domestic priority information should read: 60/444,115, 01/31/2003. It is requested that a corrected filing receipt be issued.

Respectfully submitted,

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/765,184	01/28/2004	1734	770	50103-567	12	20	3

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CONFIRMATION NO. 9838  
 CORRECTED FILING RECEIPT



\*OC000000014189627\*

Date Mailed: 10/26/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

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**RECEIVED**

OCT 28 2004

## Assignment For Published Patent Application

CERTANCE LLC

MCDERMOTT, WILL & EMERY

## Power of Attorney:

John Hawkins-32029

## Domestic Priority data as claimed by applicant

This appln claims benefit of ~~60/444,151~~ 60/444,115 01/31/2003 \*

(\*)Data provided by applicant is not consistent with PTO records.

## Foreign Applications

If Required, Foreign Filing License Granted: 06/15/2004

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/765,184**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**Title**

Head actuator assembly for a tape drive

**Preliminary Class**

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Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

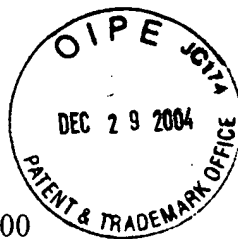
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STL3300

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## A HEAD ACTUATOR ASSEMBLY FOR A TAPE DRIVE

### RELATED APPLICATIONS

[01] The present application claimed priority to provisional application 60/444,115, filed on January 30, 2003, the entire contents of which are hereby incorporated by reference.

### FIELD OF THE INVENTION

[02] The present invention relates to the field of tape drives, and more particularly, to the head actuator assembly for a tape drive.

### BACKGROUND OF THE INVENTION

[03] A tape drive head assembly generally comprises three main components: a magnetic read/write head, a movable carriage supporting the head, and a flexible circuit electrically connected to the head. The flexible circuit includes a fine positioner loop and a coarse positioner loop. A flexible printed circuit provides communication between the main control circuitry of the tape drive and the head positioning apparatus. Generally, a voice coil serves as an actuator for the fine positioner.

[04] Magnetic tape data storage devices, or tape drives, are used for storing large quantities of computer data. As storage capacities of tape drives increase, the overall performance and structural integrity of the drives needs to improve. One of the areas needing improvement is found in the performance of the head positioning system.

[05] Lateral motion at the read/write head needs to be controlled within a few micrometers in order to achieve a LTO (linear tape open) cartridge capacity of 400 GB, for example. Conventional techniques of controlling this lateral motion include a camming arrangement between a pivoting beam structure and the head structure that translates a rotational motion into a linear motion of the head traverse. The fine positioner prime mover is a rotary voice